

## Applications

### Plastic welding

thermoplastics, pipes, profiles, sheet, moulded parts, flooring, tarpaulins, geomembranes, roofing membranes

### Heating

forming, bending, expanding

### Drying

water damp surfaces and joints

### Shrinking

heat-shrink sleeves, film, tapes, solder sleeves, moulded shrink parts

### Ignition

wood furnaces, coal furnaces

### Soldering

soldering and desoldering

### Activating

solvent-free adhesives, removal of self-adhesive labels / signwriting, hot-melt glue

### De-icing

frozen parts, water pipes

## Guarantee

This Techspan TE1600 tool is guaranteed for 1 year from the date of purchase against electrical breakdown or mechanical failure caused through defective material or workmanship, provided the failure is not the result of misuse. In the event of failure covered by this Guarantee, the tool must be returned freight paid to the supplier, with this card and proof of purchase, for inspection, and will be replaced or repaired at our option. Heating elements, and wearing parts, brushes, bearings etc are not covered by this guarantee.

Type : Techspan TE1600 Plastic Welder 1600W 230V 50Hz  
Date purchased :  
Customer :  
Supplied by : TECHSPAN GROUP (Plastic Welding Tools P/L)

# OPERATING INSTRUCTIONS

## TECHSPAN HOT AIR PLASTIC WELDING TOOL type TE1600

Please read operating instructions carefully before use and keep for future reference.



### Technical Data

Power	W	1600
Voltage	V	230 50/60Hz
Temperature	C	20 - 600
Airflow	l/min.	230
Noise	dB	60
Weight	kg	1.4 with 3m cable
Dimensions	mm	Handle 55mm, 345x100 dia
Electrical Safety :	Double insulated	
Test Marks :	CE European Conformity Designed & Developed in Switzerland Made in PRC	

### Australia:

P O Box 5287, Brisbane, QLD 4069,  
Ph: 1-800 148 791 Fx: 1-800 148 799  
info@plasticweldingtools.com.au

### New Zealand:

P O Box 15262, New Lynn, Auckland  
Ph: ++64 9 8276567 Fx: ++64 9 827 6596  
info@plasticweldingtools.co.nz

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1 2 3 4 5 6 7 8



9 10 11

**Description**

1	Nozzle (LE100303 plastic welding nozzle shown)	*Setting	Deg. C
2	Clamp screw for nozzle	1	20
3	Element housing / protective sleeve	2	200
4	Impellor housing	3	350
5	Rubber tool rest	4	450
6	Handle	5	540
7	Potentiometer for temperature adjustment	6	570
8	Mains cable	7	590
9	Air filter	8	610
10	On/Off Rocker Swith	9	620
11	Potentiometer for temperature adjustment	10	650

**To operate the tool**

- 1 Fit appropriate nozzle (1,2) as required.
- 2 Connect tool to the mains (single phase, 230 volt, 50 Hz, 10 amp)
- 3 Adjust hot air temperature by turning the potentiometer (11)
- 4 Turn on switch (10) and allow tool to come up to temperature (approx. 2 mins)
- 5 After use always allow tool cool down. This will preserve the heating element
- 6 For plastic welding training contact Techspan or approved service centre.

**Changing Nozzles**

- 1 Before changing nozzles, allow the tool to cool down, or use combination pliers
- 2 Do not touch hot nozzle (1,2) and only place the nozzle on a heat resistant surface due to fire hazard.
- 3 The nozzles are easily pushed onto the element housing (3) and are then secured by tightening the clamp screw (2) with a screwdriver.
- 4 Only Techspan nozzles and accessories should be used.

**Maintenance**

- 1 The welding tool's air filter (9) must be cleaned with a brush if necessary.
- 2 A wire brush should be used for cleaning the welding nozzle (1)
- 3 Check power supply cable (8) along the full length, as well as the plug, for any possible electrical or mechanical damage.

**Service and repairs**

- 1 The carbon brushes of the tool's motor should be checked after about 1200 hours running time by your service centre.
- 2 Repairs must be carried out by Techspan service centres. They guarantee a specialized and reliable repair service.
- 3 The warranty will be void if repairs have not been carried out by a Techspan service centre using Techspan spare parts.

**Accessories**

- 1 The Techspan plastic welder is supplied without nozzles, which are sold separately.
- 2 Only Techspan nozzles and accessories should be used.

**Guarantee and Liability**

Guarantee and liability are in accordance with this guarantee certificate and the current terms and conditions of sale. Techspan rejects any guarantee claims for tools which are not in original condition. The tool must never be modified.

**Caution - Risk of Serious Injury and property damage**

Always lie the tool on a non-flammable surface & keep the hot air stream well away from combustible materials, including combustible materials hidden behind ceilings, walls, cavities or floors. Do not point the hot air stream at the same spot for extended periods. Incorrect use can cause fire. Do not touch the element housing or nozzle with any part of the body during use as they get very hot and there is a danger of serious injury by burning. When working with plastics, varnish or similar materials vapours/gases/smoke develop which can be harmful. Do not breathe in vapours/gasses/smoke as they can be highly toxic. Always provide good ventilation of the working area with an extraction system and/or wear a respirator. Keep the unit dry. Do not use in the rain or in damp conditions. Always store the unit in a dry place.